

## METHOD AND SYSTEM FOR FILTERING SEDIMENT-BEARING FLUIDS

### Abstract of the Disclosure

A self-cleaning, back-washable filter apparatus and method for use with a pumping apparatus which is at least partially immersed in fluid. A sediment removal system is disclosed for removing sediment from around a filter apparatus. The sediment removal system comprises a plurality of venturi jets configured to force sediment particles through a discharge line and away from the inlet to a filter apparatus. A filtering system is configured to direct a flow of fluid generally parallel to the surface of the filter, which may be a cross-flow filter, to prevent clogging or fouling. A method for filtering a flow of fluid comprises directing a flow of fluid generally parallel to the surface of a filter to prevent clogging or fouling of the filter. A method for filtering a flow of fluid is also disclosed, comprising vibrating a filter by applying a flow of fluid to the filter.

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